



1/11/06 1645

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 05-278)

IN THE APPLICATION OF:

Yen Choo

Serial No. 10/530,128

Filed: October 3, 2005

Title Cell Culture

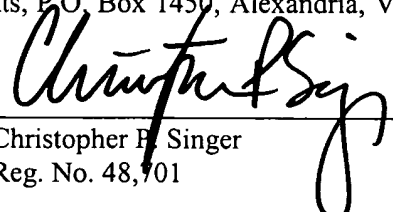
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) Examiner: TBA  
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) Group Art Unit: TBA  
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) Confirmation No.: 2651

Mail Stop Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**TRANSMITTAL LETTER**

1. We are transmitting herewith the attached papers for the above-identified patent application:
  - 1) First Supplemental Information Disclosure Statement (IDS) Letter
  - 2) First Supplemental Information Disclosure Statement (IDS) PTO/SB/08b Form
  - 3) Copies of Cited References (**20 Documents**)
  - 4) Return Postcard
2. A check in the amount of **\$0.00** is enclosed for the Filing Fee.
3. **GENERAL AUTHORIZATION TO CHARGE OR CREDIT FEES:** Please charge any additional fees or credit overpayment to Deposit Account No. **13-2490**. A duplicate copy of this sheet is enclosed.
4. **CERTIFICATE OF MAILING UNDER 37 CFR § 1.8:** The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9<sup>th</sup> day of November 2006.

By:

  
Christopher F. Singer  
Reg. No. 48,701



**PATENT**

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Case No. 05-278)

IN THE APPLICATION OF:	)	
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Yen Choo	)	
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Serial No. 10/530,128	)	Examiner: TBA
	)	
Filed: October 3, 2005	)	Group Art Unit: TBA
	)	
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**FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references are enclosed. The cited international search report was issued in the corresponding PCT application. All references cited within the international search report are of record in this application. Copies are also listed in the PTO/SB/08b form enclosed herewith. It is

requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

The Office has waived the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003. In accordance with this waiver, cited U.S. patents and U.S. patent application publications marked with “\*” are not enclosed.

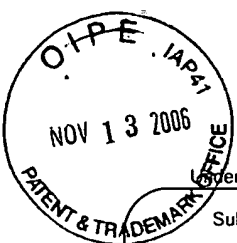
In accordance with Rule 37 C.F.R. §198(d), only copies of the references not previously cited and submitted to the Patent and Trademark Office are enclosed for the convenience of the Examiner (document numbers marked with “\*” are not enclosed).

In the judgment of the undersigned, portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R.1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be “prior art” within the meaning of 35 U.S.C. sections 102 or 103.

Respectfully submitted,  
McDonnell Boehnen Hulbert & Berghoff LLP

Date: November 9, 2006

By:   
**Christopher P. Singer**  
Registration No. 48,701



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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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**Complete if Known**

Application Number	10/530,128
Filing Date	04/04/2005
First Named Inventor	Yen Choo
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	05-278

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-			
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**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> "Number" <sup>4</sup> "Kind Code" <sup>5</sup> (if known)				
	1	EP 0695351	12/08/1999	University of Edinburgh		

Examiner  
Signature

Date

Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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STATEMENT BY APPLICANT**

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**Complete if Known**

Application Number	10/530,128
Filing Date	04-04/2005
First Named Inventor	Yen Choo
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	05-278

Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	2	Vadim V Demidov,(2002) "Rolling-circle amplificationin DNA diagnostics: the power of simplicity" Expert Rev. Mol. Diagn. 2(6) pages 542-548.	
	3	Toma et al, (2001) "Isolation of multipotent adult stem cells from the dermis of mamalian skin" Nature Cell Biology Vol. 3, pages 778-784.	
	4	Chia-Ning Shen, et al.,(2000) "Molecular basis of transdifferentiation of pancreas to liver"Nature Cell Biology Vol. 2, pages 879-887.	
	5	Horb et al., (2003) "Experimental Conversionof Liver to Pancreas" Current Biology Vol. 13, pages 105-115	
	6	Lee et al., (2000) "Efficient generation of omidbrain and hindbrain neurons form mouse embryonic stem cells" Nature Biotechnology, Vol. 19 pages 675-679	
	7	Bonner-Weir, et al., (2000) "In vitro cultivationof human islets from expanded ductal tissue" PNAS: Vol. 97, pages 7999-8004.	
	8	Lumelsky, et al., (2000) "Differentiation of Embryonic Stem Cells to Insulin-Secreting Structures Similar to Pancreatic Islets" Science Vol. 292, pages 1389-1394.	
	9	Nishikawa, et al., (1998) " Progressive lineage analysis by cell sorting and culture identifies FK1+VE-cadherin+ cells at a diverging point of endothelial and hemopoietic lineages" Development: Vol. 125, pages 1747-1757.	
	10	Soria, et al., (2000) "Insulin-Secreting Cells Derived From Embryonic Stem Cells Normalize Glycemia in Streptozotocin-Induced Diabetic Mice" Diabetes: Vol. 49, pages 1-6.	
	11	Li, et al., (1998) "Generationof purified neural precursors from embryonic stem cells by lineage selection" Current Biology Vol. 8, pages 971-974.	

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First Named Inventor	Yen Choo
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	05-278

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of

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**NON PATENT LITERATURE DOCUMENTS**

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	12	Braeckmans, et al., (2002) "Encoding Microcarriers: Present and Future Technologies" Nature Reviews in Drug Discovery: Vol. 1, pages 447-456.	
	13	Nicolaou et al., (1985) "Radiofrequency Encoded Combinatorial Chemistry" Angewandte Chemie (International ed. in English), Vol. 34, pages 2289-2291.	
	14	Guiles, et al., (1998) "A Visual Tagging Process for Mix and Sort Combinatorial Chemistry" Angewandte Chemie (International ed. in English) Vol. 37, pages 926-928.	
	15	Xiao, et al., (1997) "Combinatorial Chemistry with Laser Optical Encoding" Angewandte Chemie (International ed. in English) Vol. 36 pages 780-782	
	16	Geysen, et al., (1984) "Use of peptide synthesis to probe viral antigens for epitopes to a resolution of a single amino acid" PNAS, Vol. 81, pages 3998-4002.	
	17	Fodor et al., (1991) "Light-Directed, Spatially Addressable Parallel Chemical Synthesis" Science, Vol. 251, pages 767-773.	
	18	Ziauddin et al., (2001) "Microarrays of cells expressing defined cDNAs" Nature, Vol. 11 pages 107-110.	
	19	Wu, et al., (2002) "Cell-biological applications fo transfected-cell microarrays" Trends in Cell Biology Vol. 12, No. 10: pages 485-488.	
	20	Wiles et al., (1999) "Embryonic Stem Cell Development in a Chemically Defined Medium" Vol. 247 pages 241-248.	

Examiner Signature		Date Considered	
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